

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	235	((optimiz\$5 or enhanc\$5 or improv\$4) near2 (loop\$3 or iterat\$3)).clm.	US-PGPUB	OR	ON	2006/07/18 14:56
L2	3	((part\$3 or incomplete or "not complete" or "not total") near2 trac\$3 near3 profil\$3).clm.	US-PGPUB	OR	ON	2006/07/18 14:56
L3	0	(((augment\$5 or increas\$2 or greater) near2 trac\$3) with superset with ((part\$3 or incomplete or "not complete" or "not total") near trac\$3) with subset with (loop\$3 or iterat\$3)).clm.	US-PGPUB	OR	ON	2006/07/18 14:58
L4	3	(((unroll\$3 or unwind\$3 or unfold\$3) near2 (augment\$5 or increas\$2 or greater)) with (loop\$3 or iterat\$3)).clm.	US-PGPUB	OR	ON	2006/07/18 14:59
L5	321	(augment\$5 or increas\$2 or greater) near path.clm.	US-PGPUB	OR	ON	2006/07/18 14:59
L6	529	((combin\$5 or merg\$3 or add\$5) with (augment\$5 or increas\$3 or greater) with (part\$3 or incomplete or "not complete" or "not total")).clm.	US-PGPUB	OR	ON	2006/07/18 15:00
L7	1	((candidate near augment\$5 near path) with trac\$3 with probabilit\$3 with (loop\$3 or iterat\$3) with (sum or add5) with (similar or alike or equivalent) with (part\$3 or incomplete or "not complete" or "not total")).clm.	US-PGPUB	OR	ON	2006/07/18 15:00
L8	0	1 and 2 and 3 and 4 and 5 and 6 and 7	US-PGPUB	OR	ON	2006/07/18 14:51
L9	1	1 and 2 and 4 and 5 and 6 and 7	US-PGPUB	OR	ON	2006/07/18 14:51
L10	11732	((optimiz\$5 or enhanc\$5 or improv\$4) near2 (loop\$3 or iterat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 14:56
L11	74	((part\$3 or incomplete or "not complete" or "not total") near2 trac\$3 near3 profil\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 14:57

EAST Search History

L12	0	((augment\$5 or increas\$2 or greater) near2 trac\$3) with superset with ((part\$3 or incomplete or "not complete" or "not total") near trac\$3) with subset with (loop\$3 or iterat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 14:58
L13	17	((unroll\$3 or unwind\$3 or unfold\$3) near2 (augment\$5 or increas\$2 or greater)) with (loop\$3 or iterat\$3))	US-PGPUB	OR	ON	2006/07/18 14:59
L14	46	((unroll\$3 or unwind\$3 or unfold\$3) near2 (augment\$5 or increas\$2 or greater)) with (loop\$3 or iterat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 14:59
L15	13627	(augment\$5 or increas\$2 or greater) near path	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 14:59
L16	34845	((combin\$5 or merg\$3 or add\$5) with (augment\$5 or increas\$3 or greater) with (part\$3 or incomplete or "not complete" or "not total"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:00
L17	1	((candidate near augment\$5 near path) with trac\$3 with probabilit\$3 with (loop\$3 or iterat\$3) with (sum or add5) with (similar or alike or equivalent) with (part\$3 or incomplete or "not complete" or "not total"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:01
L18	1	10 and 11 and 14 and 15 and 16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
L19	2062	((717/150-151,158,160,130-131) or (712/233,241)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/18 15:06
L20	1843	19 and (@ad<"20030828" or @rlad<"20030828")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:07
L21	0	20 and 18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:07

Interference Search

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	235	((optimiz\$5 or enhanc\$5 or improv\$4) near2 (loop\$3 or iterat\$3)).clm.	US-PGPUB	OR	ON	2006/07/18 14:28
L2	3	((part\$3 or incomplete or "not complete" or "not total") near2 trac\$3 near3 profil\$3).clm.	US-PGPUB	OR	ON	2006/07/18 14:30
L3	0	(((augment\$5 or increas\$2 or greater) near2 trac\$3) with superset with ((part\$3 or incomplete or "not complete" or "not total") near trac\$3) with subset with (loop\$3 or iterat\$3)).clm.	US-PGPUB	OR	ON	2006/07/18 14:32
L4	3	(((unroll\$3 or unwind\$3 or unfold\$3) near2 (augment\$5 or increas\$2 or greater)) with (loop\$3 or iterat\$3)).clm.	US-PGPUB	OR	ON	2006/07/18 14:34
L5	321	(augment\$5 or increas\$2 or greater) near path.clm.	US-PGPUB	OR	ON	2006/07/18 14:35
L6	529	((combin\$5 or merg\$3 or add\$5) with (augment\$5 or increas\$3 or greater) with (part\$3 or incomplete or "not complete" or "not total")).clm.	US-PGPUB	OR	ON	2006/07/18 14:48
L7	1	((candidate near augment\$5 near path) with trac\$3 with probabilit\$3 with (loop\$3 or iterat\$3) with (sum or add5) with (similar or alike or equivalent) with (part\$3 or incomplete or "not complete" or "not total")).clm.	US-PGPUB	OR	ON	2006/07/18 14:50
L8	0	1 and 2 and 3 and 4 and 5 and 6 and 7	US-PGPUB	OR	ON	2006/07/18 14:51
L9	1	1 and 2 and 4 and 5 and 6 and 7	US-PGPUB	OR	ON	2006/07/18 14:51



[unrolling loop with partial hot trace]

[1990]

- [2003]

[Search]

 Ad
 Sct
 Scl

 Search only in Engineering, Computer Science, and Mathematics.

 Search in all subject areas.

"with" is a very common word and was not included in your search. [[details](#)]

ScholarResults 1 - 50 of about 82 for unrolling loop with partial hot trace. (0.17 seconds)Dynamo: a transparent dynamic optimization system - group of 31 » All articles Recent articles

V Bala, E Duesterwald, S Banerjia - Proceedings of the ACM SIGPLAN 2000 conference on ..., 2000 - portal.acm.org

... execution follows the selected **hot trace** most of the ... opportunities typically result from **partial redundancies** in ... loop invariant code motion and **loop unrolling**. ...

[Cited by 315](#) - [Web Search](#)

Selecting long atomic traces for high coverage - group of 5 »

R Rosner, M Moffie, Y Sazeides, R Ronen - Proceedings of the 17th annual international conference on ..., 2003 - portal.acm.org

... **Loop unrolling** needs to be considered in combination with a ... The amount of **unrolling** is another important design ... Figure 4-1 **Partial Ordering of Local and Global** ...

[Cited by 9](#) - [Web Search](#)

An architectural framework for runtime optimization - group of 6 »

MC Merten, AR Trick, RD Barnes, EM Nystrom, CN ... - Computers, IEEE Transactions on, 2001 - ieeexplore.ieee.org

... fetch performance such as **loop unrolling**, **partial function inlining** ... per cycle and preserving optimized **hot spots** for ... The **Trace Generation Unit** is discussed more ...

[Cited by 36](#) - [Web Search](#) - [BL Direct](#)

Dynamic hot data stream prefetching for general-purpose programs - group of 12 »

TM Chilimbi, M Hirzel - Proceedings of the ACM SIGPLAN 2002 Conference on ..., 2002 - portal.acm.org

... transfer control to checks at procedure entries or **loop back-edges**, ... headLen = 3 and there is only one **hot data stream** ... when v.seen = 1, we have a **partial** match a ...

[Cited by 59](#) - [Web Search](#) - [BL Direct](#)

Memory bank disambiguation using modulo unrolling for Raw machines - group of 7 »

R Barua, W Lee, S Amarasinghe, A Agarwal - High Performance Computing, 1998. HIPC'98. 5th International ..., 1998 - ieeexplore.ieee.org

... that processes, creates a network **hot-spot**, and ... possible for **loops** with unknown **loop bounds**. ... is to devise a method using **partial unrolling**, whose resulting ...

[Cited by 19](#) - [Web Search](#)

PARROT: Power Awareness through Selective Dynamically Optimized Traces - group of 2 »

R Rosner, Y Almog, M Moffie, N Schwartz, A ... - PACS'03, 2003 - Springer

... achieves the effects of explicit **loop unrolling**, an enabler ... and **global trace** transformations such as **partial renaming** and ... **trace-cache based optimized hot traces** ...

[Cited by 3](#) - [Web Search](#)

Dynamic native optimization of interpreters - group of 18 »

GT Sullivan, DL Bruening, I Baron, T Garnett, S ... - Proceedings of the 2003 workshop on Interpreters, Virtual ..., 2003 - portal.acm.org

... and tracked, thus enabling continued **partial** evaluation ... branch */ dynamorio logical direct jump (pc); } goto **loop** ; ... if (lbb->count > **hot threshold**) { set ...
 Cited by 14 - Web Search

Instruction scheduling for instruction level parallel processors - group of 3 »
 P Faraboschi, JA Fisher, C Young - Proceedings of the IEEE, 2001 - ieeexplore.ieee.org
 ... this a problem, as the **hot trace** through the ... compiler chose to place enlargement (**loop unrolling**) before **trace** ... These constraints induce a **partial** ordering on ...
 Cited by 11 - Web Search - BL Direct

Overview of the IBM Java Just-in-Time Compiler - group of 8 »

T Suganuma, T Ogasawara, M Takeuchi, T Yasue, M ... - IBM Systems Journal, 2000 - research.ibm.com
 ... always inlined regardless of the **hot spot**. ... **Partial** redundancy elimination 14 is also used to ... **loop** optimizations, such as **loop unrolling**, **loop interchange**, and ...
 Cited by 122 - Cached - Web Search - BL Direct

[book] **Instruction Assignment for Clustered VLIW DSP Compilers: A New Approach.** - group of 5 »

G Desoli - 1998 - hwswworld.com
 ... a global scheduling technique known as **trace** scheduling [5 ... DAG (like those generated by **loop unrolling**) to be ... found that allocating each **partial** component to a ...
 Cited by 44 - View as HTML - Web Search - Library Search - BL Direct

Aggressive compiler optimization and parallelization with thread-level speculation - group of 2 »

LL Chen, Y Wu - Parallel Processing, 2003. Proceedings. 2003 International ..., 2003 - ieeexplore.ieee.org
 ... This example forms a simple **trace** region to demonstrate the ... can be completely unrolled along the **hot** path. **Loop unrolling** can be applied when a **loop** entry is ...
 Web Search - BL Direct

Transparent dynamic optimization: The design and implementation of Dynamo - group of 5 »

V Bala, E Duesterwald, S Banerjia - Hewlett Packard Laboratories Technical Report HPL-1999-78. ..., 1999 - hwswworld.com
 ... 41.8.1.1 Exposed **partial** redundancies ... in its normal mode of operation, completing the Dynamo execution **loop**. ... is that if an exit from a **hot trace** itself gets **hot** ...
 Cited by 61 - View as HTML - Web Search

Run-time code generation in C++ as a foundation for domain-specific optimisation - group of 5 »

O Beckmann, A Houghton, PHJ Kelly, M Mellor - Proceedings of the 2003 Dagstuhl Workshop on Domain-Specific ..., 2003 - Springer
 ... Offline **partial** evaluation systems like these rely on binding ... This facilitates complete **unrolling** of the inner two ... and the then-remaining innermost **loop** (the for ...
 Cited by 6 - Web Search - BL Direct

[PS] **Trace caches in the context of other cache enhancements**

Z Patel - University of Witwatersrand, Tech. Rep, 2000 - cs.wits.ac.za
 ... These **hot** spots are detected by using the history ... Both **partial** matching and inactive issue were found ... unless compiler optimisations like **loop unrolling** are done ...
 Cited by 2 - View as HTML - Web Search

Energy-monitoring tool for low-power embedded programs - group of 8 »

D Shin, H Shim, Y Joo, HS Yun, J Kim, N Chang - Design & Test of Computers, IEEE, 2002 - ieeexplore.ieee.org
 ... however, the programmer moves energy **hot** spots to ... Reducing **loop** overhead further improved the energy ... Figure 7 shows **partial** energy-monitoring results of the ...
 Cited by 6 - Web Search - BL Direct

[Space-time scheduling of instruction-level parallelism on a raw machine - group of 14 »](#)

W Lee, R Barua, M Frank, D Srikrishna, J Babb, V ... - ACM SIGOPS Operating Systems Review, 1998 - portal.acm.org

... The VLIW Multiflow TRACE machine is a machine which adopts such a solution [19].

On ... tuts to minimize congestion and route data around hot spots. ...

Cited by 102 - Web Search - BL Direct

[\[ps\] Trace Cache Design for Wide-Issue Superscalar Processors - group of 2 »](#)

SJ Patel - 1999 - crhc.uiuc.edu

... 106 8.4 A loop composed of 3 fetch blocks. dealing with the partial fetch problem is the trace cache and it is described in Chapter 2. ...

Cited by 8 - View as HTML - Web Search - Library Search

[A framework for reducing the cost of instrumented code - group of 12 »](#)

M Arnold, BG Ryder - ACM SIGPLAN Notices, 2001 - portal.acm.org

... of instrumentation operations per loop iteration ... Combining both variations

(Partial-Duplication and No-Duplication ... selectively instrument only the hot meth- ...

Cited by 100 - Web Search - BL Direct

[A Case for Automatic Run-Time Code Optimization - group of 2 »](#)

E Feigin - Undergraduate thesis, Harvard University, April, 1999 - eecs.harvard.edu

... Some, such as loop unrolling, increase code size. ... driven compilation has been used as a partial solution to ... the hot code in units conducive to optimization. ...

Cited by 11 - View as HTML - Web Search

[Automating Selective Dynamic Compilation - group of 4 »](#)

MU Mock - 2002 - cs.pitt.edu

... executes, they try to identify hot spots, ie, regions of ... 1) a sophisticated form of partial-evaluation-style ... can result in complete loop unrolling by creating ...

Cited by 5 - View as HTML - Web Search - Library Search

[C-based SoC design flow and EDA tools: an ASIC and system vendor perspective - group of 2 »](#)

K Wakabayashi, T Okamoto - Computer-Aided Design of Integrated Circuits and Systems, ..., 2000 - ieeexplore.ieee.org

... when all array indexes in the loop become constants after complete unrolling. ... a register file with an address generator for a partial unrolled loop. ...

Cited by 36 - Web Search - BL Direct

[The POWER4 Processor Introduction and Tuning Guide - group of 46 »](#)

S Behling, R Bell, P Farrell, H Holthoff, FO' ... - IBM Redbooks, November, 2001 - jumpdoc.fz-juelich.de

... These include trace and debug facilities used for First Failure Data Capture, built-in self-test (BIST) facilities, performance monitoring unit (PMU), an ...

Cited by 21 - View as HTML - Web Search

[Dynamic Optimization Infrastructure and Algorithms for IA-64](#)

KM Hazelwood - 2000 - lib.ncsu.edu

... A thesis submitted to the Graduate Faculty of North Carolina State University in partial fulfillment of the requirements for the Degree of Master of ... hot trace. ...

Cited by 1 - View as HTML - Web Search

[METRIC: tracking down inefficiencies in the memory hierarchy via binary rewriting - group of 8 »](#)

J Marathe, F Mueller, T Mohan, BR de Supinski, SA ... - Code Generation and Optimization, 2003. CGO 2003. ..., 2003 - ieeexplore.ieee.org

... In the following, the software infrastructure for partial trace generation is

detailed. ... the scope structure of the target, ie, the function/loop entry and ...
 Cited by 10 - Web Search

[Time Optimal Software Pipelining of Loops with Control Flows](#) - group of 6 »
 HS Yun, J Kim, SM Moon - International Journal of Parallel Programming, 2003 - Springer
 ... effect of fine-grain parallelization with full **loop unrolling**. ... unless iterations
 of the hot paths stay ... Time Optimal Software Pipelining of Loops with Control ...
 Cited by 1 - Web Search - BL Direct

[Path-Sensitive, Value-Flow Optimizations of Programs](#) - group of 4 »
 R Bodík - 1999 - cs.pitt.edu
 ... Submitted to the Graduate Faculty of Arts and Sciences in partial fulfillment of
 the ... The instruction schedule of the loop, before and after the removal of load ...
 Cited by 2 - View as HTML - Web Search

[PC software performance tuning](#) - group of 3 »
 M Atkins, R Subramaniam - Computer, 1996 - ieeexplore.ieee.org
 ... They execute fastest if backward branches are taken, as in a **loop**, and forward ... Partial
 stalls occur when code reads a 32-bit register (EAX, EBX, ECX, or EDX ...
 Cited by 18 - Web Search - BL Direct

[Stride prefetching by dynamically inspecting objects](#) - group of 4 »
 T Inagaki, T Onodera, H Komatsu, T Nakatani - ACM SIGPLAN Notices, 2003 - portal.acm.org
 ... After this **partial** interpretation, we analyze the **trace** of the memory addresses. ...
 we can increase the amount of computation by **unrolling the loop**. ...
 Cited by 7 - Web Search - BL Direct

[Specialization Tools and Techniques for Systematic Optimization of System Software](#) - group of 27 »
 D Mc NAMEE, J WALPOLE, C PU, C COWAN, C KRASIC, A ... - ACM Transactions on Computer Systems, 2001 - portal.acm.org
 ... Page 3. This paper is organized as follows. Section 2 describes the fundamentals
 of specialization: specialization predicates, **partial** evaluation, and guards. ...
 Cited by 36 - Web Search - BL Direct

[ONLINE PROFILING AND FEEDBACK-DIRECTED OPTIMIZATION OF JAVA](#) - group of 7 »
 M ARNOLD - 2002 - cs.rutgers.edu
 ... **Loop Unrolling** . . . 3.7. Example of **Partial-Duplication** . . . The guarantee is currently
 met by simply placing yieldpoints on all method entries and **loop** backedges. ...
 Cited by 7 - View as HTML - Web Search - Library Search

[A dynamic optimization framework for a Java just-in-time compiler](#) - group of 2 »
 T Suganuma, T Yasue, M Kawahito, H Komatsu, T ... - Proceedings of the 16th ACM SIGPLAN conference on
 Object ..., 2001 - portal.acm.org
 ... here is to identify the **hot** paths for ... is decremented depending on the **loop** iteration
 count. ... for guiding branch directions in **partial** redundancy optimizations ...
 Cited by 58 - Web Search - BL Direct

[Modulo scheduling with isomorphic control transformations](#) - group of 2 »
 NJ Warter - 1993 - crhc.uiuc.edu
 ... 111 5.5.5 II versus **unrolling** : : : : 114 ... b **Loop**
 data dependence graph. ... a **Partial** CFG. ...
 Cited by 25 - View as HTML - Web Search - Library Search

[\[book\] Optimization and Parallelization of a Commodity Trade Model for the SP1, Using Parallel Programming](#) ... - group of 2 »

D Bergmark, M Pottle - 1994 - historical.ncstrl.org
... data parallel, **loop** distribution, **loop** fusion, **trace** analyzers ... A **loop** analysis and
a **hot** spot analysis ... Scalar optimizations include **loop unrolling**, dead code ...
[View as HTML](#) - [Web Search](#) - [Library Search](#)

[Porting GCC to the AMD64 architecture](#) - group of 17 »
J Hubicka - Proceedings of the GCC Developers Summit, 2003 - gd4.tuwien.ac.at
... GCC has been ported to, some AMD64 features are unique, such as CISC instruction
set, gener- ally usable IP relative addressing, **partial** sup- port for 64-bit ...
Cited by 3 - [View as HTML](#) - [Web Search](#)

[Interprocedural Path Profiling and the Interprocedural Express-Lane Transformation](#) - group of 3 »
DG Melski - 2002 - cs.wisc.edu
... A DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE
OF ... The express-lane transformation isolates and duplicates **hot** paths in a ...
Cited by 6 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[Using Performance Bounds to Guide Code Compilation and Processor Design](#)
H Zhou - 2003 - lib.ncsu.edu
... duplication, **loop unrolling**, and if-conversion ... A dissertation submitted to the Graduate
Faculty of North Carolina State University in **partial** fulfillment of the ...
Cited by 1 - [View as HTML](#) - [Web Search](#)

[Dynamic Optimization through the use of Automatic Runtime Specialization](#) - group of 2 »
J Whaley - 1999 - stanford.edu
... **Loop unrolling** and some register allocation algorithms make a simplifying assumption
that a **loop** will execute a ... For example, using **partial** evaluation or other ...
Cited by 18 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[ps] [Path-based compilation](#) - group of 5 »
RC Young - 1998 - eecs.harvard.edu
... in **partial** fulfillment of the requirements ... but one cannot tell anything about the
order in which the **hot** spots ... For example, **loop unrolling** makes extra cop- ...
Cited by 23 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[book] [Compiler Support for Machine Independent Parallelization of Irregular Problems](#) - group
of 4 »
R von Hanxleden - 1992 - historical.ncstrl.org
... Steph and Jerry, happy **hot-tub** hosts ... 3.1 **Partial** Redundancy Elimination ::
::: 24 ... 4.4 **Loop** Flattening from the Compiler's ...
Cited by 8 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[ps] [Compile-time performance prediction of scientific programs](#) - group of 4 »
GCI Casl caval - 2000 - cs.uiuc.edu
... low-level drivers for DOS, to the database gateways, **hot-cup** models ... 67 4.5 A **partial**
sum hierarchy to either a **loop** nest, a subroutine, or an entire program. ...
Cited by 12 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[Dynamic Optimization of Interpreters using DynamoRIO](#) - group of 4 »
I Baron - 2003 - cag.csail.mit.edu
... such as constant propagation, dead code elimination, and **partial** evaluation to further ...
We also present two techniques to avoid **unrolling** native loops. ...
Cited by 2 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[ps] [Latency-directed Multithreaded Computation and Its Architectural Support](#) - group of 2 »

X Fan - 1994 - tams-www.informatik.uni-hamburg.de

... Figure 6.10. Pipeline stage 2 - Instruction fetch and **partial** decode ... single-chip processors including high-speed floating-point arithmetic. Some **hot** chips have ...

[View as HTML](#) - [Web Search](#) - [Library Search](#)

Identifying and Exploiting Spatial Regularity in Data Memory References - group of 16 »

T Mohan, BR de Supinski, SA McKee, F Mueller, A ... - Proceedings of the ACM/IEEE SC2003 ..., 2003 - portal.acm.org

... Such temporal information can be used for **partial** regeneration of ... accepts directives for aggressive prefetching, inner **loop** fission, and **unrolling** [21 ...

Cited by 6 - [Web Search](#)

Tolerating latency in multiprocessors through compiler-inserted prefetching - group of 3 »

TC Mowry - ACM Transactions on Computer Systems (TOCS), 1998 - portal.acm.org

... (2) Isolate the predicted dynamic miss instances using **loop**-splitting techniques such as peeling, **unrolling**, and strip-mining. ...

Cited by 53 - [Web Search](#) - [BL Direct](#)

The role of APL and J in high-performance computation - group of 4 »

R Bernecky - ACM SIGAPL APL Quote Quad, 1993 - portal.acm.org

... Today's **hot** code may be tomorrow's dog – unrolled **loops**, which ... the details of cache management, data distribution, code scheduling, or **loop unrolling**. ...

Cited by 7 - [Web Search](#) - [BL Direct](#)

Region-based Register Allocation for EPIC Architectures - group of 4 »

H Kim - 2001 - crest.gatech.edu

... A dissertation submitted in **partial** fulfillment ... 15 2.2 Code Shuffle for **Trace** Schedule mations like function inlining and **loop unrolling** to exploit ILP well ...

Cited by 5 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

AN ANALYSIS OF A NOVEL APPROACH TO DYNAMIC OPTIMIZATION - group of 2 »

BM Fahs - 2003 - crhc.uiuc.edu

... Submitted in **partial** fulfillment of the requirements for the degree ... limited scope of a **trace**. ... For example, memory addresses or **loop** indices are generated this ...

[View as HTML](#) - [Web Search](#) - [Library Search](#)

Static correlated branch prediction - group of 5 »

C Young, MD Smith - ACM Transactions on Programming Languages and Systems (..., 1999 - portal.acm.org

... 1997], and **partial** redundancy elimination [Gupta et al ... branch pattern may not identify a unique **trace**, since two ... where H dominates L is called a **loop** or back ...

Cited by 19 - [Web Search](#) - [BL Direct](#)

System-level power optimization: techniques and tools - group of 17 »

L Benini, G de Micheli - ACM Transactions on Design Automation of Electronic Systems ..., 2000 - portal.acm.org

... Hence, most algorithms have **loops**, branches, and procedure calls that create a nonuniform distribution for the number of times each operation is executed. ...

Cited by 208 - [Web Search](#) - [BL Direct](#)

Design space optimization of embedded memory systems via data remapping - group of 6 »

KV Palem, RM Rabbah, VJ Mooney III, P Korkmaz, K ... - Proceedings of the joint conference on Languages, compilers ..., 2002 - portal.acm.org

... Locality Enhancing Algorithm • **Loop** transformations • Data reorganization Software ... access patterns along program **hot-spots** [1 ... Block Size B and **Trace** T R = (k ...

Cited by 16 - [Web Search](#) - [BL Direct](#)

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[unrolling loop with partial hot trace]

1990

- 2003

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 Search in all subject areas.

"with" is a very common word and was not included in your search. [\[details\]](#)

ScholarResults 51 - 82 of 82 for **unrolling loop with partial hot trace**. (0.13 seconds)

[ps] An Expert Advisor for Parallel Programming Environments and Its All articles Recent articles Realization within the Framework of ...

S Andel, BM Chapman, J Hulman, HP Zima - 4 thWorkshop on Compilers for Parallel Computers, Delft, 1993 - par.univie.ac.at

... such as: **loop distribution**, **loop interchange**, **loop unrolling**, strip mining, vector code ... that require the sequential or parallel program run, **trace** the program ...

Cited by 5 - [View as HTML](#) - Web Search

TECHNIQUES FOR TRANSPARENT PROGRAM SPECIALIZATION IN DYNAMIC OPTIMIZERS - group of 4 »

SS Sastry - 2003 - ece.wisc.edu

... **Partial evaluation** [56] has been proposed to address ... Secondly, the **loop** is unrolled and all virtual calls to ... potentially be specialized for each **hot** value of ...

Cited by 1 - [View as HTML](#) - Web Search - Library Search

Optimizations in Distributed Run-time Compilation - group of 3 »

L Clausen - Univ. of Illinois PhD thesis, 2003 - loome.cs.uiuc.edu

... 66 5.2.2 Partial Evaluation by Rewriting 107

6.6 Unrolling one iteration of a while **loop**. ...

Cited by 8 - [View as HTML](#) - Web Search - Library Search

MASTER/SLAVE SPECULATIVE PARALLELIZATION AND APPROXIMATE CODE - group of 4 »

CB Zilles - 2002 - www-faculty.cs.uiuc.edu

... A dissertation submitted in **partial** fulfillment of ... This Execution Dependence Graph (EDG) is an execution **trace** augmented with arcs indicating the inter ...

Cited by 11 - [View as HTML](#) - Web Search - Library Search

[book] Power Optimization of Embedded Memory Systems Via Data Remapping - group of 2 »

KV Palem, RM Rabbah, IIIVJ Mooney, P Korkmaz, K ... - 2002 - crest.gatech.edu

... Locality Enhancing Algorithm • **Loop** transformations • Data reorganization ... access patterns along program **hot-spots** [2] and ... an object reference **trace** (T) and ...

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Overcoming the challenges to feedback-directed optimization - group of 12 »

MD Smith... - Proc. ACM SIGPLAN Workshop on Dynamic and Adaptive ..., 2000 - sise.gscas.net.cn

... concepts and techniques from the **partial** evaluation com ... unroller would produce an unrolled **loop** body with ... sequence ABDABDABD (assuming an **unrolling** factor of ...

Cited by 57 - [View as HTML](#) - Web Search - BL Direct

[ps] COMPILER-DIRECTED DYNAMIC VOLTAGE AND FREQUENCY SCALING FOR CPU POWER AND ENERGY REDUCTION

CH HSU - 2003 - research.rutgers.edu

... in **partial fulfillment** of the requirements for the degree of ... the type of data inputs used and the number of **loop** iterations specified in the input files. ...
Cited by 3 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Compilateurs Multicibles et Outils pour les Processeurs Embarqués dans le cadre d'Applications ... - group of 8 »

CB LIEM - 1997 - hal.ccsd.cnrs.fr

... 45 Figure 2.22 **Loop** pipeling permitting arithmetic, stores, and loads in parallel.47 Figure 2.23 An example call graph.

Cited by 1 - [Web Search](#)

High-level synthesis: current status and future prospects - group of 2 »

HD Cheng, C Xia - Circuits, Systems, and Signal Processing, 1995 - Springer

... core Model (SSIM) [21], CMU's Value Trace (VT) [84 ... that every leaf has a one-hot encoding ... elimination, in-line expansion of procedures, **loop unrolling**, etc., are ...

Cited by 2 - [Web Search](#) - [BL Direct](#)

Supporting a Flexible Parallel Programming Model on a Network of Non-Dedicated Workstations - group of 2 »

SC Huang - 2000 - cs.nyu.edu

... by Shih-Chen Huang A dissertation submitted in **partial fulfillment** of the requirements for the degree of Doctor of Philosophy ... 72 6.2 Ray Trace

[View as HTML](#) - [Web Search](#) - [Library Search](#)

Cryptography on FPGAs: State of the art implementations and attacks - group of 3 »

T Wollinger, J Guajardo, C Paar - ACM Trans. on Embedded Computing Systems, 2003 - crypto.ruhr-unibochum.de

... a general modular shift-and-add multiplication requires 16 **partial** multiplications and ... are caused mainly by three effects: electromigration, **hot carriers**, and ...

Cited by 1 - [View as HTML](#) - [Web Search](#)

Architecture of the Pentium microprocessor - group of 3 »

D Alpert, D Avnon - Micro, IEEE, 1993 - ieeexplore.ieee.org

... 32-bit flat mode here, since this is the most appropriate mode for comparison with the other high-performance microprocessors de- scribed at the Hot Chips IV ...

Cited by 53 - [Web Search](#) - [BL Direct](#)

Overcoming the challenges to feedback-directed optimization (Keynote Talk)

MD Smith - Proceedings of the ACM SIGPLAN workshop on Dynamic and ..., 2000 - portal.acm.org

... concepts and techniques from the **partial** evaluation eom ... uuroller would produce an unrolled **loop** body with ... sequence ABDABDABD (assuming an **unrolling** factor of ...

Cited by 2 - [Web Search](#)

book Retargetable Code Generation for Digital Signal Processors - group of 3 »

R Leupers - 1997 - books.google.com

... This permits to identify "hot spots" in the program ... Even if the constraints are met, **partial** re-definition of ... The filter operates in an infinite time **loop**. ...

Cited by 93 - [Web Search](#) - [Library Search](#)

Compiler and Hardware Predicated Dependency Analysis and Scheduling. - group of 8 »

L Carter - 2002 - mics.ptloma.edu

... A dissertation submitted in **partial** satisfaction of the ... the execution ended and where the **trace** began recording ... need for **unrolling** and separate code blocks for ...

Cited by 1 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

A Hierarchical, Automated Design Flow for Low-Power, High-Throughput Digital Signal

Processing IC' ...

WR Davis - 2002 - bwrc.eecs.berkeley.edu

... A dissertation submitted in **partial** satisfaction of the ... 6.13: Flow icons (a) script, (b) tool, (c) text-parsing **loop**, (d) top-down and (e) bottom-up hierarchy ...

Cited by 3 - View as HTML - Web Search - Library Search

[ps] LATENCY TOLERANT ARCHITECTURES - group of 3 »

JE Bennett - 1998 - citeseer.csail.mit.edu

... in **partial** fulfillment of the requirements ... 3.1.2 **Trace** Driven Simulation ... the FFT length increases, the average vector length increases in the inner **loop** of the ...

Cited by 4 - View as HTML - Web Search

[book] The ZINC Experiment: An Economical Implementation of the ML Language - group of 6

»

X Leroy - 1990 - inria.fr

... has been fully investigated, and that it is no more a **hot** research topic. ... The curried version is in a sense more powerful, since it allows **partial** application. ...

Cited by 97 - View as HTML - Web Search - Library Search

[ps] Processor Modeling and Evaluation Techniques for Early Design Stage Performance Comparison

JD Wellman - 1996 - eecs.umich.edu

... A dissertation submitted in **partial** fulfillment of ... optimized LFK reduced **trace** descriptions with and without **self-loop unrolling**....176 Figure 87 ...

Cited by 1 - View as HTML - Web Search

[book] Logic Synthesis for Low Power Vlsi Designs

S Iman, M Pedram - 1997 - books.google.com

... High power systems often run **hot**; at the ... increasing transformations, such as **loop unrolling**, pipelining, and ... Techniques based on **partial** transfer of the energy ...

Cited by 10 - Web Search - Library Search

Evaluation of a multithreaded architecture for defense applications

W Pfeiffer, L Carter, A Snavely, R Leary, A ... - SDSC Technical Report, 1999 - sdsc.edu

... the MTA is to first find parallelism and then move it to an outer **loop**. ... Traceview does a post- mortem analysis of an execution **trace** and makes a time-dependent ...

Cited by 4 - View as HTML - Web Search

ADAM: A Decentralized Parallel Computer Architecture Featuring Fast Thread and Data Migration and a ... - group of 9 »

TF Knight Jr - 2002 - mit.edu

... Submitted to the Department of Electrical Engineering and Computer Science on May 24, 2002, in **partial** fulfillment of ... 6-19 Inner-loop of N-Body benchmark code. ...

View as HTML - Web Search - Library Search

Predictor-Directed Data Prefetching for Pointer-based Applications - group of 5 »

S Sair - 2003 - www-cse.ucsd.edu

... To Erez for his serenades and sweet tomatoes and **hot** peppers. ... 93 IV.10 Average **partial** stream buffer hit latency. ... "A Study of **Loop Unrolling** for VLIW ...

Cited by 2 - View as HTML - Web Search - Library Search

[ps] Pendulum: A Reversible Computer Architecture

CJ Vieri - 1995 - crhc.uiuc.edu

... May 24, 1995 In **Partial** Fulfillment of the Requirements for the Degree of Master of Science ... ning in reverse, so some program **trace** information must be retained. ...

Cited by 15 - View as HTML - Web Search - Library Search

[book] Fast longest prefix matching: algorithms, analysis, and applications - group of 6 »

M Waldvogel - 2000 - marcel.wanda.ch

... 86 6.3.6 Dual Address Search 88 6.3.7 Loop Unrolling 88 ...

Cited by 6 - View as HTML - Web Search - Library Search

[book] High Performance Computing: 5 th International Symposium, Ishpc 2003, Tokyo-Odaiba, Japan, October

A Veidenbaum, K Joe, H Amano - 2003 - books.google.com

... 431 Fernando G. Tinetti, Monica Denham, Armando De Gioisti Online Remote Trace Analysis of Parallel Applications on High-Performance Clusters 440 ...

Web Search - Library Search

[book] Parallel Computing: Advances and Current Issues

A Murli, F Peters - 2002 - World Scientific Publishing Company

Web Search

[Recent IBM patents - group of 2 »]

J Home - Organic electronics, 2001 - research.ibm.com

... method for determining if a fingerprint image contains a **partial** fingerprint impression. ...Muhich, Method and apparatus for phase rotation in a phase locked **loop**. ...

Cached - Web Search

[book] Electromagnetic Compatibility in Medical Equipment: A Guide for Designers and Installers

WD Kimmel, D Gerke, KD Kimmel - 1995 - books.google.com

... Grounds and Ground Planes Hybrid Grounds Ground Loops Isolated Grounds ... Partial Shields ...

evidenced by substantial charge buildup when unrolling homogeneous tape ...

Cited by 1 - Web Search - Library Search

An Architecture for Parallel Symbolic Processing Based on Suspending Construction - group of 6 »

ER Jeschke - 1995 - cs.indiana.edu

... Submitted to the faculty of the Graduate School in **partial** fulfillment of therequirements ... Accepted by the Graduate Faculty, Indiana University, in **partial** ful- ...

Cited by 1 - View as HTML - Web Search - Library Search

[ps] KNOWLEDGE-BASED MANAGEMENT OF LEGACY CODES FOR AUTOMATED DESIGN - group of 2 »

JE KEANE - 1996 - cs.rutgers.edu

... Graduate School|New Brunswick Rutgers, The State University of New Jersey in **partial**

fullfillment of the requirements for the degree of Doctor of Philosophy ...

Cited by 1 - View as HTML - Web Search

[book] The Big Book of Flip Charts

RW Lucas - 1999 - books.google.com

... professional look. If you are **partial** to columns, you may want to consider distributing the information as a handout as well. This ...

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